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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: C. C. WANG, et al. ) RE: Preliminary Amendment  
Serial No.: Not yet assigned ) Group: 1764  
Filed: concurrently herewith ) Examiner: A. Doroshenk  
For: "APPARATUS FOR REMOVING ) Our Ref: B-3559DIV of CONT 618959-3  
IMPURITIES FROM EFFLUENT )  
WASTE GAS STREAMS" ) Date: August 16, 2001

Commissioner of Patents and Trademarks  
BOX NEW PATENT APPLICATION  
Washington, D.C. 20231

Sir:

The above-identified application is a divisional of pending prior U.S. Patent Application Serial No. 09/861,203 filed on May 18, 2001, which is a continuation of U.S. Patent Application Serial No. 09/191,918 filed on November 13, 1998. Prior to examining this divisional application, it is respectfully requested that the following amendments be made to the claims:

IN THE CLAIMS

Please cancel Claims 1-11 without prejudice.

Please add the following new claims:

12. (New) A method for removing impurities from an effluent gas stream comprising the steps of:

spraying a liquid toward a solid horizontally located surface to form a film of liquid on the surface.

passing effluent gas past the surface and the liquid.

13. (New) The method of claim 12 wherein in the spraying step the liquid that is sprayed toward the surface is sprayed such that it extends to the surface and beyond the surface.

14. (New) The method of claim 12 wherein in the spraying step the liquid that is sprayed is sprayed toward and against two parallel spaced solid flat surfaces.

15. (New) The method of claim 14 further comprising the step of sucking the effluent gas past the surfaces and the spray to humidify the gas.

16. (New) The method of claim 14 wherein the spraying step further comprises spraying a first spray against one of the parallel surfaces and spraying a second spray against the second of the parallel surfaces.

17. (New) The method of claim 16 wherein the spray sprayed toward each surface is emitted generally centrally of that surface.

18. (New) A method for removing impurities from an effluent gas stream comprising the steps of:

spraying a liquid from a first source toward a solid, flat, horizontally located first surface to form a film of liquid on that first surface;

spraying a liquid from a second source toward a solid, flat, horizontally located second surface to form a film of liquid on that second surface;

passing effluent gas past the surfaces and the sprayed liquid to cause the gas to mix with the liquid.

Preliminary Amendment  
August 16, 2001  
Page 3

REMARKS

Amendment of the subject application is respectfully requested.

Respectfully submitted,



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